

19970710.ba ba-por01.549 ba-por01.550
>1549
>From owner-boatanchors@theporch.com Wed Jul 9 15:46 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.7.Beta1/A-UX-3.1.1) with ESMTP id PAA07639
> for <SHIMSHON@URO.THEPORCH.COM>; Wed, 9 Jul 1997 15:46:24 -0500 (CDT)
>Received: from sco.theporch.com (localhost [127.0.0.1])
> by sco.theporch.com (8.8.7.Beta1/SCO-5.0.2) with SMTP id UAA05289;
> Wed, 9 Jul 1997 20:44:45 GMT
>Message-Id: <199707092044.UAA05289@sco.theporch.com>
>Date: Wed, 9 Jul 1997 15:44:45 CDT
>Sender: owner-boatanchors@theporch.com
>From: boatanchors@theporch.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: BOATANCHORS digest 1549
>Mime-Version: 1.0
>Content-Type: multipart/mixed; boundary="--
__ListProc__NextPart__868481060434240530"
>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
>Status: 0

BOATANCHORS Digest 1549

Topics covered in this issue include:

- 1) new BA in shack, 51J3 ?
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- 2) Neil Pope: WWII military radio
by "Mark J. Blair" <mblair@gruumsh.irv.ca.us>
- 3) Johnson VFO For Sale
by Glenn Finerman <glennfin@worldnet.att.net>
- 4) Model 15 & 19 Teletype Owners:
by arc5@ix.netcom.com
- 5) RAL-7 Case
by arc5@ix.netcom.com
- 6) RCA AVR-101-A rcvr
by arc5@ix.netcom.com
- 7) RE: BA Acronyms
by Stephan Sykes <ssykes@emirates.net.ae>
- 8) Drake 2-C bottom cover or junker wanted!
by wallace@world.std.com (Andy Wallace)
- 9) Accidental posts to the list
by Avery Comarow <AComarow@usnews.com>
- 10) PAM-1
by avidov@juno.com (avi aben)
- 11) Great Packing Job
by Nick England <nick@cs.unc.edu>
- 12) FS: Hallicrafters SX-99 Receiver

- by RhyneK@aol.com
- 13) Re: Great Packing Job
by George McCrary <geo@ipass.net>
- 14) The Unbuilt Marauder Kit.
by Spencer Petri <spetri@e-tex.com>
- 15) BC-794 B fixed, now I've seen it all!
by BOB RAGAIN <RAGAIN@hubvx6.sedalia.wireline.slb.com>
- 16) Re: The Unbuilt Marauder Kit.
by Ken Gordon <keng@uidaho.edu>
- 17) amazing happining
by leeboo@ct.net (Leon Wiltsey)
- 18) Re: Tubes...
by Ken Gordon <keng@uidaho.edu>
- 19) Don Wallace Book
by George McCrary <geo@ipass.net>
- 20) Robert Friess (RFRIESS)
by steven@ix.netcom.com (Steve M Fried)
- 21) 6146B QUESTIONS
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 22) Re: Great Packing Job
by Ken_Warren@beavton.k12.or.us (Ken Warren)
- 23) Re: Tech America catalog
by "David L. Thompson" <thompson@mindspring.com>
- 24) The Marauder Assembly
by "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
- 25) Battery prices!?!
by Sandy W5TVW <ebjr@worldnet.att.net>
- 26) 32V2 problem solved
by carl yaffey <cyaffey@sprynet.com>
- 27) HEATHKIT SERVICE BULLETINS - DX-60
by joelutz@juno.com (Joseph W Lutz)
- 28) HEATHKIT SERVICE BULLETINS - HD-15/HD-20
by joelutz@juno.com (Joseph W Lutz)
- 29) HEATHKIT SERVICE BULLETINS - GENERAL
by joelutz@juno.com (Joseph W Lutz)

Date: Tue, 08 Jul 97 21:52:50
From: "al parker" <al_parker@kacc.com>
To: boatanchors@sco.theporch.com
Subject: new BA in shack, 51J3 ?
Message-ID: <9706088684.AA868423970@ccuucp.kacc.com>

Hi Anchorites,

It came home from Livermore with me on Sun., but it has no

identification. Seller said it's a 51J3. Has the 'typical' Collins dial, but I've never been a Collins "nut", tho' my wife thinks I'm just plain nuts.

I need help in ID'ing it, plus getting some alignment info, schematic, etc. It has absolutely no ID that I can find, the plate is missing from the panel, and I can't find a ser. no., etc. Some distinguishing features:

has 18 tubes, including the 2 on the PTO, meter switch is "input" & "output", date stamped on meter is "NOV. 7 1955". Has 70E-15 Collins PTO, covers 0.5 - 30.5 mc in 1.0 mc bands

Looks quite complete, all tube shields are there, I haven't pulled tubes to check for substitutes, etc. Rack mount, missing top & bottom covers, tho' 2 of the 3 wing-nuts to hold top cover are still there. Missing hold-down for rectifier tube & eletrolytic. Almost no modifications noticeable, only one seen--the wires to the "break-in" switch have been snipped. Has the anti-fungal coating, which has kept things very clean & corrosion free. 4-pos.(+off) crystal filter.

It works on all bands, PTO is close across it's range. Sensitivity is not great, I'm sure it'll benefit from a good tune-up.

Can anyone help with info? Gladly pay usual costs for copied info, etc. Many TIA

73,
Al, W8UT al_parker@kacc.com
Dublin, CA

A fanatic is one who doubles his efforts after forgetting his objective.

Date: Tue, 08 Jul 1997 22:30:09 -0700
From: "Mark J. Blair" <mblair@gruumsh.irv.ca.us>
To: boatanchors@theporch.com
Subject: Neil Pope: WWII military radio
Message-ID: <199707090530.WAA01855@gruumsh.irv.ca.us>

This message was sent to me by a person on one of the other mailing lists I'm on (the MIL-VEH list). I'm hoping that somebody on the BA list can help him. Please respond directly to Neil Pope at the address given below.

BTW, I'm having some trouble with my mail service, and I might not be able to see any replies to the list for a while, so please CC: me if you send a response to the list, and don't be surprised if you get a warning message from my ISP.... :-)

----- Forwarded Message

Date: Tue, 8 Jul 97 16:22:28 PDT
Message-ID: <vines.oaI8+oigknA@whq06.nike.com>
To: <mblair@gruumsh.irv.ca.us>
From: <Neil.Pope@nike.com> (Neil Pope)
Subject: WWII military radio

Mark,

I just read your response regarding a mil-radio in the MV collectors news group. I was wondering if you might point me in the right direction. If you know of someone who might be able to help, could you forward this email to them? I'm looking for resources for a 1944 U.S. Army Signal Corp Crosley BC654-A tranceiver. The unit appears to be in excellent shape and looks to have not spent much (if any) time in the field. It is complete with keypad and microphone and includes the vehicle mounting rack. The pieces that are missing are head phones, any kind of power supply (both dynamotor & generator) or antenna. I was able to find a mostly complete manual from Fair Radio sales which has great info in it but any other sources that I can find would be great. My thanks for your time and any help you may provide is very appreciated.

Sincerely,
Neil Pope
Neil.Pope@NIKE.com

----- End of Forwarded Message

--

Mark J. Blair KE6MYK
e-mail: mblair@gruumsh.irv.ca.us

Date: Wed, 09 Jul 1997 02:14:01 -0700
From: Glenn Finerman <glennfin@worldnet.att.net>

To: Boatanchors List <boatanchors@theporch.com>
Subject: Johnson VF0 For Sale
Message-ID: <33C35659.2EB8@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a Johnson 122 VF0 for sale. Matching VF0 for the Viking II Transmitter. Good condition. Original knobs, semi-circle paint rub on panel around bandswitch knob, a few light scratches on front panel, no dents or dings on outside cabinet - wrinkle finish in excellent shape. \$50 including UPS shipping.

--

73.....Glenn N2BJG glennfin@worldnet.att.net

Owner/operator of the N2BJG 10 meter beacon = 28.219 Mhz.
(24hrs a day, 7 days a week) Please QSL!!!

Date: Wed, 9 Jul 1997 03:23:09 -0500 (CDT)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: Model 15 & 19 Teletype Owners:
Message-ID: <19977931816415724@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Have located an AC sync motor with the proper 60 WPM gear for a model 15 or 19....I think. It needs cleaning and lubing. Does anyone want it? I won't be back in the area for over a month so don't be in a hurry.

73 DE Dave AB5S
arc5@ix.netcom.com

Date: Wed, 9 Jul 1997 03:23:42 -0500 (CDT)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: RAL-7 Case
Message-ID: <19977931524419169@ix.netcom.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I've located a case with good nomenclature plate for the RAL-7 navy receiver. Does anyone who currently owns an RAL-7 need a case or plate?
I won't be back to this place for over a month so don't be in a hurry. It's not going anywhere.

73 DE Dave AB5S
arc5@ix.netcom.com

Date: Wed, 9 Jul 1997 03:23:44 -0500 (CDT)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: RCA AVR-101-A rcvr
Message-ID: <1997791505546334@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; name=""

On 07/01/97 13:46:23 you wrote:
>...Anyone have any particulars on this
>teeny aircraft B/A - seems to be an LF RDF...
The AVR-101 is a rare find.
RCA produced the AVR-100 and AVR-101
LF Radio Range receivers to augment the
AVT-112/AVR-20-type HF communications sets
used in light aircraft. The 100 and 101
were built small to fit directly into the
cockpit instrument panel. The Army and
Navy didn't buy very many, preferring the
Detrola and Stromburg BC-1206 models instead.
RCA made the mistake of requiring that a small
"C" battery be installed in the comm system
power supply if the 100 or 101 were to be
included. The BC-1206 was available
and required no special power.

While I do have an AVR-100 and an AVR-101,
I do not have any paperwork on them and
would be very happy to get some. If anyone
knows anything about the RCA model number for
the loop antenna used with these rigs, I'd
be grateful to learn it.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Date: Wed, 9 Jul 1997 10:17:42 +0400
From: Stephan Sykes <ssykes@emirates.net.ae>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: BA Acronyms
Message-ID: <01BC8C76.443CDC00@cse017.emirates.net.ae>

Rob,
This is great. I especially like S00.

Steve
KD2OM

From: Robert Lawson[SMTP:lawson_r@popmail.firn.edu]
Sent: Wednesday, July 09, 1997 6:20 AM
To: Old Tube Radios
Subject: BA Acronyms

>Fellow BA'er,

>Got to thinking this evening while listening to the static on 40 meters
>and got to wondering.

...

>I think I've seen a 6, but I wouldn't know a 2 if it fell out of a tree
>in front of me, much less a good 4.5 :-)

Rob WPE4FGR W4RL

Date: Wed, 09 Jul 1997 10:56:54 GMT
From: wallace@world.std.com (Andy Wallace)
To: drake-1@fablotz.min.net
Cc: boatanchors@sco.theporch.com
Subject: Drake 2-C bottom cover or junker wanted!

Message-ID: <33c76e14.44508858@world.std.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have a Drake 2-C receiver that's missing the bottom half of its cabinet. Anyone got a junker to sell?

Also looking for 2-series speakers or qmults -- 2-AS/BS/CS or 2-AQ/BQ/CQ.

Thanks!

--Andy

wallace@world.std.com

Curly: Oh....short wave?

Moe: No! Poimanent.

<BONK!>

(THEY STOOGE TO CONGA, 1943)

Date: Wed, 9 Jul 1997 11:49:34 GMT

From: Avery Comarow <AComarow@usnews.com>

To: <boatanchors@theporch.com>

Subject: Accidental posts to the list

Message-ID: <2.2.16.19970709074511.291fac52@pop3.usnews.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I want to apologize. Twice in the past few days a post of mine that was intended to be a reply to a specific person wound up as a list message. I know I hit the reply button when an individual's post was on my screen, so how this has happened is a mystery. But I'm sorry anyway for the waste of bandwidth.

Avery W40GK

Date: Wed, 9 Jul 1997 10:31:58 -0400

From: avidov@juno.com (avi aben)

To: Boatanchors@theporch.com

Subject: PAM-1

Message-ID: <19970709.103205.14830.1.avidov@juno.com>

Looking for info on the PAM-1,USN No.43501, Portable Amplifier System mfr by Stromberg Carlson in 1945.Looks like a portable metal tool box and operates on 12vdc,using 7 tubes and an internal HV dynamotor. WTB the Operator and/or Maint.Manual or any data sources which spell out the applicable accessories,such as Mike,Speaker(s) & Cabling. This is a genuine BA,without a doubt and belongs in our archives.

Date: Wed, 9 Jul 1997 11:10:04 -0400
From: Nick England <nick@cs.unc.edu>
To: boatanchors@theporch.com
Subject: Great Packing Job
Message-ID: <199707091510.LAA16999@altair.cs.unc.edu>

I recently got an unbuilt Heath Marauder from Mike K2UXE. He told me he'd follow the golden rule - Ship unto others as you'd have them ship unto you.

He did a great job, putting the Marauder box inside a larger box and using styrafoam corners from a computer monitor box to hold it in place. Mike gets my vote for Anchor-Packer Extra Class.

You can see his handiwork at
<http://www.cs.unc.edu/~nick/marauder.gif>

That's me in the picture grinning like a kid who just got a big box straight from Benton Harbor.

73 & Have Fun,

Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina
<http://www.cs.unc.edu/~nick> Chapel Hill NC

Date: Wed, 9 Jul 1997 11:37:13 -0400 (EDT)
From: RhyneK@aol.com
To: boatanchors@sco.theporch.com
Subject: FS: Hallicrafters SX-99 Receiver
Message-ID: <970709113349_-726827660@emout13.mail.aol.com>

I have for sale a Hallicrafters SX-99 shortwave receiver. This receiver works great and is in very good cosmetic condition. I am asking \$115.00 plus shipping.

Date: Wed, 9 Jul 1997 11:49:34 -0500
From: George McCrary <geo@ipass.net>
To: boatanchors@sco.theporch.com, nick@cs.unc.edu
Subject: Re: Great Packing Job
Message-ID: <3.0.16.19970709114728.2b5769d2@ipass.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey Nick,

Doug (KF4KL) and I have been talking about what an asset to the boatanchor community you are. We are all the better for having you in our ranks.

To show our appreciation we have come up with a perfect Christmas gift for you. We are each taking extra time off from our jobs at JPS so we can come and build up all your kits for you! That's right, you won't have to lift a finger! We'll even do the testing and alignment. I know this is a generous offer, but you don't need to thank us. It was the picture of the unbuilt Maurader that put us over the edge. We'll even provide the solder and tools (Doug said he has some plumbing solder left over somewhere).

Just think of the warm glow you'll feel seeing all those pristine boatanchors coming to life!

73,

George (KQ4QM)
Doug (KF4KL)

PS We're sending this to the whole list in case any one else wants to join the fun!

Date: Wed, 9 Jul 1997 11:04:28 -0500 (CDT)
From: Spencer Petri <spetri@e-tex.com>
To: boatanchors@theporch.com
Subject: The Unbuilt Marauder Kit.
Message-ID: <m0wlzEC-00015sC@e-tex.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Guys,

When you go out to help by building the Heathkits (a great sacrifice on your part) please let me know as I have a 5 pound soldering iron with a corn cob for a handle that you can borrow. Weighing 5 lbs means you don't have to put it in the fire so often so it is a great time saver.

73 de Pete WA5JCI

EM-21--6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/621 Grids

2 Mtr -- 36 States -- VUCC #346/183 Grids

Date: Wed, 9 Jul 1997 10:16:10 -0600 (MDT)
From: BOB RAGAIN <RAGAIN@hubvx6.sedalia.wireline.slbb.com>
To: boatanchors@theporch.com
Cc: RAGAIN@hubvx6.sedalia.wireline.slbb.com
Subject: BC-794 B fixed, now I've seen it all!
Message-ID: <970709101610.3d807d5d@hubvx6.sedalia.wireline.slbb.com>

Dear BA'ers,

I have been working on restoring a BC-794B (Hammarlund SP-200/210) now for a couple of months and have mentioned it here on the list. After a few weeks rest from it, I went back to the "one dead band" problem last night and can still hardly believe what I found.

After tracing the signals into the band switching section in the RF stages, I took off the covers to get at the switch. Those of you who have worked on an SP-200/210 know what that takes...maybe 50 screws.

Down in the bottom of the "guillotine" band switch was a rubber wheel, apparently off of a child's toy, complete with a piece of the red plastic axle! The wheel had lodged between the bandswitch's moving "guillotine" blade and the contact fingers below, squashing the contact fingers flat and making electrical contact impossible. After the wheel was fished out and the contact fingers carefully straightened, the radio is now sounding great on ALL bands.

Isn't this a great hobby!

Bob

Bob Ragain WB4ETT Littleton, CO

Date: Wed, 9 Jul 1997 09:21:11 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Spencer Petri <spetri@e-tex.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: The Unbuilt Marauder Kit.
Message-ID: <Pine.BSF.3.95.970709092006.6676A-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 9 Jul 1997, Spencer Petri wrote:

> Guys,
>
> When you go out to help by building the Heathkits (a great sacrifice on your
> part) please let me know as I have a 5 pound soldering iron with a corn cob
> for a handle that you can borrow. Weighing 5 lbs means you don't have to put
> it in the fire so often so it is a great time saver.

Ah! A bridge building iron. I have one of those plumbers pot torches for
the pumbing solder you have. Also a REALLY BIG shear to cut the wire
with.

Ken W7EKB

Date: Wed, 9 Jul 1997 14:09:41 -0400 (EDT)
From: leeboo@ct.net (Leon Wiltsey)
To: BOATANCHORS@SCO.THEPORCH.COM
Subject: amazing happining
Message-ID: <199707091809.0AA07603@blue.ct.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang
As you all know I am selling some tubes for an old gent who has a 55yr old
tv shop.

I am also in the process of building a rec add on called a SELECTOJECT from
the 55
edition of the RADAMHND BK, Now for all you young kids who were not even

around then,
the selectolect is a sharp single freq audio amp. or a rejection
filter. Tuning it to a a single audio freq, such such a cw tone would give a
very large gain to that freq only. Or it can be used to remove a hetrodyne.
Had on in th 60's and it worked great with a Hall s40.

Now the plans call for a dual 5 meg pot and also a 500k pot Where in the
world am I
going to find these? I mentioned needing some pots to the old gent and he
dragged out
a large box of salvaged pot an said " take your pick" So I grabbed a a
couple of
dual section and single pots. Finished getting the tubes and left.
Got home a got out my meter and the first pot I checked was sure enough a
dual 5 meg pot
the second one was a single 500k pot. CAN YOU BEAT THAT? So now my
project will
be built and I am going to put it into my hw16 which should make it much
easier to copy
cw. I cant believe the stuff this guy has! Boxes of electrlytics, drawers
full of resisters of all sized also drawers full of any cap you might need,
also tube sockets transformers, chokes,
pilot bulbs switches and a storeroom full of old tv's, car radios, stereo
chassis and speakers Boy what a find, especially in a small town where there
are no dealers other than radio shack. BTW the manager of Radio Shack
still insists they have 1t4 tubes available thu their cat.
Read that they are needed by some of you. Well thats it from Sebring, am
going to take
bunch of his stuff to some hamfests.

THANK THE LORD FOR ALL YOU HAVE

68 yr old semidisabled senior
(stroke got my balance & hand to eye coordination)
ham agn as KF4RCL TECK+ (MUCH HAPPINESS)
BUILD MOST OF MY STATION EQUIP
SUB.BA & GB-- NO SOLID STATE

Leon B Wiltsey (Lee)
4600 Lake Haven BLVD.
Sebring, Fl. 33872

SEBRING FL. WHERE THERE IS NO QRM
FROM ANYTHING LOCAL

Date: Wed, 9 Jul 1997 11:04:48 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Leon Wiltsey <leeboo@ct.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tubes...
Message-ID: <Pine.BSF.3.95.970709110152.7758B-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> are no dealers other than radio shack. BTW the manager of Radio Shack
> still insists they have 1t4 tubes available thru their cat.

Right! Checked with RS last week. 1T4 is a little over \$5 each, 1U5 a
little over \$6, 1L6: \$84.95.

BTW, I have a little-used 1L6 I will sell for only \$82.00. They are
available from AES for \$30.00 each.

Ken W7EKB

Date: Wed, 9 Jul 1997 14:22:29 -0500
From: George McCrary <geo@ipass.net>
To: boatanchors@sco.theporch.com
Subject: Don Wallace Book
Message-ID: <3.0.16.19970709142027.2b57f974@ipass.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Folks,

I posted most of this post to the DX Reflector a couple of weeks
ago, but Bobbi's post about prefixes made me think a few on the boatanchors
group would be interested. For people like me who are getting ALL of their
boatanchor information 30, 40 and even 50 years after the fact, it's quite
a good read:

I've recently been reading a book that I think many on the
reflector would find quite enjoyable. The book is "Don Wallace, W6AM,
Amateur Radio's Pioneer" by Jan David Perkins, N6AW (The Vestal Press, ISBN
0-911572-99-6).

The book is basically a chronological account of Don's amateur
radio activity starting in 1907 with his spark station and going up until
1990. For me, having the progression of amateur radio technology presented

in such a "time line" fashion has put a lot of the disconnected information I've collected the past few years in perspective.

<Stuff about DX deleted>

Well, I hope this whets your appetite for what I've found to be a quite an enjoyable tome. In every chapter I've found bits of DX, technology and general amateur radio history that have surprised and fascinated me.

73,

George (KQ4QM)

Date: Wed, 9 Jul 1997 13:27:02 -0500 (CDT)
From: steven@ix.netcom.com (Steve M Fried)
To: boatanchors@sco.theporch.com
Subject: Robert Friess (RFRIESS)
Message-ID: <199707091827.NAA10684@dfw-ix7.ix.netcom.com>

You sent me an Email but it must have an attachment and my simple program won't handle it. I can't open up your message Can you resend just regular text message for me. Thanks

Steve K2PTS

ps sorry to disturb the net, please excuse.

Date: Wed, 9 Jul 1997 13:03:22 -0400 (EDT)
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
To: boatanchors@theporch.com
Subject: 6146B QUESTIONS
Message-ID: <9707091303.aa14155@pcusa01.ecunet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

To: boatanchors@theporch.com

>From CQ, April 1964, p. 67:

"Since RCA came with the new version of the 6146 tube, we have had many letters asking us if the new tube (6146B/8298A) can be used with certain transmitters. In some instances, we have told our readers that their tx's did not have enough reserve power [power supply] for the new tube--in

other instances we told them that other than raising the screen voltage and staying with the plate current limits set by the manufacturer, the tube would work fine.

The safe limits for the 6146B depend on the class of service. For example, for ssb, the tube has a rated plate dissipation of 35 w (with 750 v on the plate, load to 220 mA plate current). Class C cw power ratings are exactly the same. The screen voltage in class AB1 (with a dc grid voltage of -65 v) can be set so that the 220 ma plate current is not exceeded. Depending upon the circuit, the screen voltage can be raised as much as 25 v.

Remember that the old 6146 has a plate dissipation rating of only 25 w (ICAS). In class AB1, the 6146 has a max signal plate current of about 110 mA at 600 v; the screen voltage being set at 200 v and the bias at -50 v.

If your power supply is dynamically stable and capable of the extra current demanded by the 6146B [if you run/load it that way], you'll have little trouble. ...However most tx's ps do have the extra power margin required.

When using the new tube, first load below the mfr's ratings--then check for [excess] xfmr and choke heating. Even with ssb, this is necessary.

Remember that if you're on ssb you more than likely have voltage regulation applied to the screens of your 6146's. Your particular screen voltage regulator ct may need some changes.

>> Using the new tube w/o changing the screen voltage to a higher value (as recommended by the mfr.) will *not* result in maximum output. <<

...With a power input increase of 33% over the older tubes, the new tube is worth trying."

>From CQ July 1964, p. 74:

"Yes, the new tube [6146B/8298A] can replace the 6146, 6146A and 8298 unilaterally.

The max grid current (ICAS) for class C A.M. is 4 ma, if the dc grid voltage is -150 volts, the plate voltage is 600 v and the screen voltage is 250 v. Max plate power input is 85 w ICAS in class C for one tube.

The zero-signal dc plate current in ICAS with 2-tone modulation is 25 ma in class AB1.

The dc plate current a peak of envelope in ICAS for a signal having a minimum peak-to-average ratio of 2 is 220 ma max, in class AB1.

No, I do not recommend using the new tube in the Heathkit TX-1 unless the power xfmr is changed [take heed!].

...To be on the safe side, the ps should have a *dynamic* [short term, voice peak] capability of 350 ma at 750 v.

In class AB2, -46 v is needed for bias (two tubes) for CCS operation, with a plate voltage of 500 v, and regulated screen voltage of 200 v. Zero signal dc plate current is 50 ma. In CCS service, the max signal dc plate current is 308 ma. Signal power output at these values is 100 w, in af power amplifier service [e.g. AM modulator]. RF output will be close to the af value.

Maximum power output will be obtained when the tube is operated under load conditions such that the max rated plated current flows at the the plate voltage which gives the max rated input [?].

If the plate shows any color at all at full ratings under ICAS or CCS service, max ratings have been exceeded.

...Make sure you have enough ventilation around the tube...500 degrees F max bulb temperature..."

Both articles from CQ column Ham Clinic by Charles Schauers, W4VZ0.

-John Sehring (Wed, Jul 9, 1997 10:46 am MT @Baker, Montana) UCC WB2EQG

-John Sehring (Wed, Jul 9, 1997 11:19 am MT @Baker, Montana) UCC WB2EQG

Date: Wed, 09 Jul 1997 09:14:30 -0700
From: Ken_Warren@beavton.k12.or.us (Ken Warren)
To: boatanchors@theporch.com
Subject: Re: Great Packing Job
Message-ID: <3818909663.35816924@beavton.k12.or.us>

I think I've got a can of solder paste around here somewhere that I will donate to the project.

Ken Warren K7RPX

--

Beaverton School District
Beaverton, Oregon

Date: Wed, 9 Jul 1997 15:11:40 -0400 (EDT)
From: "David L. Thompson" <thompson@mindspring.com>
To: boatanchors@theporch.com
Subject: Re: Tech America catalog
Message-ID: <1.5.4.16.19970709141506.2def1cac@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tech America is a unit of Tandy/Radio Shack. Last name they used was Tandy
National Parts. K2RM is VP Merchandising.

They have the #12 bulb discussed here on BA recently.

Tech America is one of the few remaining electronic distributors that tries
to cover amateur radio. Hope we can direct enough business to them to keep
them on board!

Dave K4JRB

Date: Wed, 9 Jul 1997 12:59:24 -0700 (PDT)
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
To: boatanchors@sco.theporch.com
Subject: The Marauder Assembly
Message-ID: <199707091959.MAA13448@rubens.artisan.calpoly.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

And now is the time, before the darned thing is all together, to make those
important modifications which will improve the usefullness. I would
strongly suggest the addition of an "ON THE AIR" light in the front panel.
I could loan the project a dremel tool and cutter to route out the hole for
this.

Dave
KF6BOM

Date: Wed, 9 Jul 1997 20:33:21 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: boatanchors@theporch.com, glowbugs@www.atl.org, qrp-1@lehigh.edu
Subject: Battery prices!?!
Message-ID: <19970709203314.AAC24048@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone have a clew for the outrageous rise in battery prices in the past few months? Is it just greed on the manufacturers' part, or some "hidden tax" the Greenies have instituted on us to "save the environment"? 9 volt 'transistor' batteries and flashlight size cells have gotten almost unaffordable. I've watched '2-pak' 9 volt alkalines jump from \$1.50 at sale prices to \$5-6 "list" prices!! Jeese...what's going on? Anybody know?

73,
E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive,
Metairie, LA., 70001
ebjr@worldnet.att.net
Looking for: 860 tubes, WL-460 tubes
RK-34(VT-224) tubes, Butternut HF2V antenna

Date: Wed, 09 Jul 1997 16:36:28 -0400
From: carl yaffey <cyaffey@sprynet.com>
To: boatanchors@theporch.com
Subject: 32V2 problem solved
Message-ID: <2.2.32.19970709203628.00be3804@m1.sprynet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I recently asked for help figuring out why my 32V2 was not giving me a pronounced dip on 10M with the loading control all the way out. Bad tube? No. Neutralization? No. After I RTFM (read the friendly manual), I realized that the 32V2 needs to have its loading control way up on 6 before you can tune it up. Works great now. I still don't understand why I don't get a good dip with the loading out, but I'm happy that I can load up on 10 now. See you on 29mc AM.

73, Carl

Carl Yaffey; cyaffey@sprynet.com; 614 268 6353;; Columbus OH, K8NU (ex-W4EZB)
Yaffey Software Development, Inc.; Banjo player for One Riot One Ranger.

/~~\\
|#===||=====|*~*~*|
_//

Date: Wed, 9 Jul 1997 18:01:54 UTC
From: joelutz@juno.com (Joseph W Lutz)
To: HEATH@LISTSERV.TEMPE.GOV
Cc: boatanchors@theporch.com, BOATANCHORS@LISTSERV.TEMPE.GOV
Subject: HEATHKIT SERVICE BULLETINS - DX-60
Message-ID: <19970709.203516.7126.0.JOELUTZ@juno.com>

HI GANG - AND AWAY WE GOOOOOOOOOOOOOOOOOO!

JULY 22, 1966

DX-60 BULLETIN NO:
TRANSMITTER DX-60-1D

RIPPLE IN HIGH VOLTAGE POWER SUPPLY

MAKE CIRCUIT CHANGES AS SHOWN ON SCHEMATIC BELOW. ADDITIONAL PARTS
REQUIRED ARE: ONE 36-9 100 OHM 7W RESISTOR, ONE 25-36 40MFD 450V
CAPACITOR.

*****NOTE: NO SCHEMATIC SHOWN ON
FICHE*****

OCTOBER 28, 1975

DX-60B BULLETIN NO:
TRANSMITTER DX-60-1

CAPACITORS # 21-71 & # 21-72

CAPACITORS SHIPPED IN THE DXC-60B, PART #21-71 & #21-72, MAY OR MAY NOT
HAVE "1.4KV" PRINTED ON THEM. HOWEVER, THEY ARE OKAY TO BE USED IN THE
DX-60B.

[EXCUSE MY 'SHOUTING/CAPS', BUT MUCH FASTER TO TYPE THIS WAY]

73 de JOE

- - - - -W7LPF/4 (NNN0KU) - - - - -
QWCA - NCVA - SOWP - FISTS
Gordonsville, Va 22942 (Orange County)
Looking for: Heathkit HR/HX-20, MR/MT-1,
Collins 516F-2, 312B-4, EFJ TR Switch
- - - - -

Date: Wed, 9 Jul 1997 19:43:19 UTC
From: joelutz@juno.com (Joseph W Lutz)
To: HEATH@LISTSERV.TEMPE.GOV
Cc: boatanchors@theporch.com, BOATANCHORS@LISTSERV.TEMPE.GOV
Subject: HEATHKIT SERVICE BULLETINS - HD-15/HD-20
Message-ID: <19970709.203516.7126.2.JOELUTZ@juno.com>

JANUARY 31, 1975

HD-15 BULLETIN NO:
PHONE PATCH HD-15-1

SERVICE NOTES

THE MAJOR COMPLAINT IS NOT ENOUGH ISOLATION BETWEEN TRANSMIT AND RECEIVE CIRCUITS. THIS RESULTS IN CYCLING BETWEEN TRANSMIT AND RECEIVE WHEN ATTEMPTING VOX OPERATION. REPLACING THE HYBRID TRANSFORMER COULD BE TRIED, BUT THIS USUALLY DOES NOT CURE THE PROBLEM. SOMETIMES THE VOX GAIN IN THE TRANSMITTER IS ADJUSTED TOO HIGH. WHEN THE UNIT IS DETERMINED TO BE OPERATING SATISFACTORILY, TRY TO CONVINCE THE CUSTOMER OF THE ADVANTAGE OF PUSH-TO-TALK OPERATION. "YOU HAVE CONTROL OVER WHAT IS BEING SAID, AND YOU WILL ALSO PREVENT BOTH PARTIES FROM DOUBLING, OR TALKING AT THE SAME TIME."

THE VU METER INDICATES ONLY SIGNAL FROM THE RECEIVER INTO THE PATCH. CUSTOMERS SEEM TO THINK THAT THE VU METER SHOULD INDICATE WHEN A SIGNAL IS BEING FED FROM THE PHONE LINE INTO THE PHONE PATCH. THIS IS NOT SO. IN THE CASE OF THE HD-15, A -10 VU LEVEL APPEARED TO BE GIVING SATISFACTORY OPERATION.

JANUARY 23, 1978

HD-15 BULLETIN NO:
PHONE PATCH HD-15-2

PHONE PATCH/BELL SYSTEM INTERFACE

THE HD-15 PHONE PATCH IS NOT REGISTERED WITH THE FCC FOR USE DIRECTLY WITH TELEPHONE LINES. THE BELL SYSTEM WILL REQUIRE A SPECIAL LINE

COUPLER, MODEL QKT, FOR CONNECTION TO THEIR LINES.

AUGUST 10, 1973

HD-20

CRYSTAL CALIBRATOR

BULLETIN NO:

HD-20-1

BATTERY SHORTING TO CASE

IN SOME OF THE OLDER HD-20 CALIBRATORS, THERE IS A POSSIBILITY OF THE BATTERY SLIDING IN ITS CLAMP, SHORTING TO THE CASE. THIS CAN BE ELIMINATED BY INSTALLING INSULATOR PAPER [PN 79-93] ON THE INSIDE OF THE CASE, DIRECTLY OFF EACH END OF THE BATTERY. [2 REQUIRED].

73 de JOE

- - - - -W7LPF/4 (NNN0KUJ)- - - - -

QWCA - NCVA - SOWP - FISTS

Gordonsville, Va 22942 (Orange County)

Looking for: Heathkit HR/HX-20, MR/MT-1,

Collins 516F-2, 312B-4, EFJ TR Switch

Date: Wed, 9 Jul 1997 19:28:47 UTC

From: joelutz@juno.com (Joseph W Lutz)

To: HEATH@LISTSERV.TEMPE.GOV

Cc: boatanchors@theporch.com, BOATANCHORS@LISTSERV.TEMPE.GOV

Subject: HEATHKIT SERVICE BULLETINS - GENERAL

Message-ID: <19970709.203516.7126.1.JOELUTZ@juno.com>

OCTOBER 29, 1970

AMATEUR PRODUCTS

BULLETIN NO:

GH-4

SBM-102-1

THE ATTACHED MODIFICATION INSTRUCTIONS SHOULD BE FOLLOWED TO CORRECT THE DRIVER PRESELECTION PROBLEM OF PEAKING AT A DIFFERENT LOCATION ON RECEIVE THAN TRANSMIT. THIS IS CAUSED BY THE TUBE MILLER EFFECTS AS EXPLAINED IN THE MODIFICATION SHEET.

THIS SHOULD BE INSTALLED ON ALL UNITS ABOVE WHEN SERVICING. SB-102 WITH RUN NUMBERS OF 5446 AND ABOVE SHOULD ALREADY CONTAIN THE MODIFICATION.

INTRODUCTION

THIS MODIFICATION KIT APPLIES TO THE FOLLOWING HEATH TRANSCEIVERS:

1. ALL MODELS HW-100, SB-100, SB-101 AND SB-101W.
2. ANY MODEL SB-102 THAT HAS A NUMBER LOWER THAN 5446 AS THE LAST FOUR DIGITS OF THE SERIES NUMBER [ON THE BLUE AND WHITE LABEL].

THE PLATE TANK CIRCUIT OF V6, THE SECOND TRANSMITTER MIXER, IS USED IN THE RECEIVE MODE AS THE PLATE CIRCUIT OF V10, RF AMPLIFIER. DUE TO TUBE MILLER EFFECTS, ADDITIONAL CAPACITY IS REQUIRED WHEN RECEIVING TO PERMIT THE DRIVER PRESELECTOR TO PEAK AT THE SAME DIAL SETTING IN BOTH TRANSMIT AND RECEIVE MODES. THIS MODIFICATION USES AUTOMATIC DIODE SWITCHING TO ADD THE REQUIRED COMPENSATING CAPACITY,

PARTS LIST

PART NO.	QUANTITY	DESCRIPTION
1-26	1	100K OHM, 1/2 WATT RESISTOR
1-35	1	1M OHM, 1/2 WATT RESISTOR
21-33	1	3.3PF DISC CAPACITOR
56-56	1	1N4149 DIODE [CATHODE END MARKED WITH A BAND]
344-50	1	BLACK HOOKUP WIRE
391-34	1	BLUE & WHITE IDENTIFICATION LABEL
431-62	1	3-LUG TERMINAL STRIP

INSTRUCTION SHEET

SOLDER

[] REMOVE THE CABINET FROM THE TRANSCEIVER AND TURN THE CHASSIS BOTTOM SIDE UP.

[] REMOVE THE COIL COVER

[] IF YOU WISH, TEMPORARILY REMOVE THE SUPPORT RAIL WHICH HOLDS ONE END OF THE SWITCH BOARDS.

[] REFER TO FIGURE 1 AND BEND A SMALL "FOOT" ON THE END OF ONE LEAD OF

THE 100K OHM RESISTOR

[] COAT THE "FOOT" WITH A LIBERAL AMOUNT OF SOLDER

[] SOLDER THE FOOT ON THE RESISTOR LEAD DIRECTLY TO THE FOIL AT POINT 11 ON THE RF BOARD. NOTE: A WHITE-RED-RED WIRE [AND POSSIBLY OTHER COMPONENTS] ARE ALREADY SOLDERED TO THIS FOIL.

[] CUT THE LEADS OF THE 3.3PF DISC CAPACITOR TO 5/8"

[] BEND A 1/8" FOOT ON THE END OF ONE LEAD OF THE DISC CAPACITOR AND SOLDER THIS FOOT DIRECTLY TO THE FOIL ON THE RF DRIVER CIRCUIT BOARD AT POINT X AS SHOWN. MAKE SURE THE SOLDER DOES NOT SHORT CIRCUIT THE FOIL TO THE SWITCH SHIELD.

[] CONNECT THE CATHODE [BANDED] END OF THE 1N4149 DIODE TO LUG 2 OF THE 3-LUG TERMINAL STRIP [S-1]. CONNECT THE OTHER LEAD TO LUG 1 OF THE TERMINAL STRIP [NS].

[] CONNECT THE 1M OHM RESISTOR FROM LUG 1 [NS] TO LUG 3 [NS] OF THE TERMINAL STRIP.

[] COAT THE TERMINAL STRIP FOOT WITH SOLDER.

[] REFER TO FIGURE 4 AND SOLDER THE 3-LUG TERMINAL STRIP DIRECTLY TO THE REAR SIDE [DRIVER GRID SWITCH BOARD SIDE] OF THE FRONT SWITCH SHIELD. FOLLOW THE DIMENSIONS GIVEN. [[1" IN FROM EDGE OF SHIELD AND 1/2" DOWN FROM TOP OF SHIELD]].

[] CONNECT THE FREE LEAD OF THE 3.3PF CAPACITOR TO LUG 1 OF THE TERMINAL STRIP [NS].

[] CONNECT THE FREE END OF THE 100K OHM RESISTOR TO LUG 1 OF THE TERMINAL STRIP [S-4]. MAKE SURE THE CAPACITOR AND RESISTOR LEADS DO NOT TOUCH ANY OTHER WIRES OR COMPONENTS.

[] PREPARE A 16" BLACK HOOKUP WIRE BY REMOVING 1/4" OF INSULATION FROM EACH END OF THE WIRE.

[] CONNECT ONE END OF THE BLACK HOOKUP WIRE TO LUG 3 OF THE TERMINAL STRIP [S-2].

[] NOTE: TWO SETS OF STEPS FOLLOW. USE ONLY THOSE STEPS APPLYING TO YOUR TRANSCEIVER.

MODELS WITH "SB-" PREFIX:

[] REFER TO FIGURE 5 AND ROUTE THE BLACK HOOKUP WIRE OVER THE

BANDSWITCH SHAFT, DOWN THROUGH GROMMET CD, AND BACK ALONG THE WIRING HARNESS TO LUG 1 OF THE BIAS ADJUST CONTROL. POSITION THE WIRE AGAINST THE SWITCH SHIELD.

[] MELT THE SOLDER ON LUG 1 OF THE BIAS ADJUST CONTROL AND PUSH THE BARE END OF THE BLACK HOOKUP WIRE THROUGH THE OPENING IN THE LUG. AFTER THE SOLDER HAS COOLED, TUG ON THE WIRE TO MAKE SURE IT IS SECURELY CONNECTED.

PROCEED TO THE "FINAL ASSEMBLY."

MODEL HW-100:

[] REFER TO FIGURE 6 AND ROUTE THE HOOKUP WIRE OVER THE SWITCH SHAFT, THROUGH GROMMET CD, AND ALONG THE WIRING HARNESS TO BIAS CONTROL CT.

[] MELT THE SOLDER ON LUG 1 OF CONTROL CT AND PUSH THE BARE END OF THE HOOKUP WIRE THROUGH THE OPENING IN THE LUG. AFTER THE SOLDER HAS COOLED, TUG ON THE WIRE TO MAKE SURE IT IS SECURELY CONNECTED.

FINAL ASSEMBLY

NOTE: YOU CAN SECURE THE HOOKUP WIRE TO THE WIRING HARNESS WITH ELECTRICAL TAPE OR WITH SHORT PICES OF HOOKUP WIRE.

[] IF IT WAS REMOVED, REPLACE THE SUPPORT RAIL AND SECURE IT WITH THE HARDWARE PREVIOUSLY REMOVED. MAKE SURE ALL SWITCH BOARDS AND SHIELDS FIT INTO THE PROPER SLOTS IN THE COMB ON THE SUPPORT RAIL.

[] REPLACE THE COIL COVER. MAKE SURE THE GROUNDING CLIPS ON THE UNDER SIDE OF THE COVER FIT OVER THE SWITCH SHIELDS.

[] REFER TO THE ALIGNMENT SECTION OF YOUR ASSEMBLY MANUAL AND PEAK THE DRIVER GRID AND DRIVER PLATE COILS.

[] REPLACE THE TRANSCEIVER CABINET.

[] CAREFULLY PEEL AWAY THE BACKING PAPER FROM THE BLUE AND WHITE IDENTIFICATION LABEL. THEN PRESS THE LABEL ONTO THE REAR OF THE CABINET. BE SURE TO REFER TO THE NUMBERS ON THIS LABEL IN ANY COMMUNICATIONS YOU HAVE WITH THE HEATHKIT COMPANY ABOUT THIS KIT.

CIRCUIT DESCRIPTION

A NEGATIVE VOLTAGE IS ALWAYS APPLIED TO THE ANODE OF D907 FROM THE BIAS ADJUST CONTROL THROUGH RESISTOR R954. WHEN RECEIVING, A HIGHER POSITIVE VOLTAGE IS APPLIED TO THE ANODE OF D907 FROM THE SCREEN CIRCUIT OF V1 THROUGH RESISTOR R955. AS ITS ANODE IS NOW POSITIVE, THE DIODE CONDUCTS

AND ACTS AS A CLOSED SWITCH TO SUPPLY A GROUND TO C955. THIS ACTION PLACES THE CAPACITOR IN PARALLEL WITH C421B AND ADDS CAPACITY TO THE PLATE TUNED CIRCUIT.

IN THE TRANSMIT MODE, THE POSITIVE VOLTAGE IS REMOVED BY THE OPENING OF CONTACTS 3 AND 11 OF RL2. THE REMAINING NEGATIVE VOLTAGE PREVENTS D907 FROM CONDUCTING AND IT CONSEQUENTLY ACTS AS AN OPEN SWITCH, REMOVING THE GROUND FROM C955. THE CAPACITANCE OF C955 IS THEREFORE REMOVED FROM THE PLATE CIRCUIT OF V6.

THIS CONCLUDES 'GENERAL BULLETINS' GH-1 THROUGH GH-4.

73 de JOE

- - - - -W7LPF/4 (NNN0KUJ)- - - - -

QWCA - NCVA - SOWP - FISTS

Gordonsville, Va 22942 (Orange County)

Looking for: Heathkit HR/HX-20, MR/MT-1,
Collins 516F-2, 312B-4, EFJ TR Switch

End of BOATANCHORS Digest 1549

>1550

>From owner-boatanchors@theporch.com Wed Jul 9 21:17 CDT 1997

>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])

> by uro.theporch.com (8.8.7.Beta2/A-UX-3.1.1) with ESMTP id VAA08775

> for <SHIMSHON@URO.THEPORCH.COM>; Wed, 9 Jul 1997 21:17:08 -0500 (CDT)

>Received: from sco.theporch.com (localhost [127.0.0.1])

> by sco.theporch.com (8.8.7.Beta2/SCO-5.0.2) with SMTP id CAA15997;

> Thu, 10 Jul 1997 02:15:49 GMT

>Message-Id: <199707100215.CAA15997@sco.theporch.com>

>Date: Wed, 9 Jul 1997 21:15:49 CDT

>Sender: owner-boatanchors@theporch.com

>From: boatanchors@theporch.com

>To: Old Tube Radios <boatanchors@theporch.com>

>Subject: BOATANCHORS digest 1550

>Mime-Version: 1.0

>Content-Type: multipart/mixed; boundary="--

__ListProc__NextPart__868500941434250470"

>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN

>Status: 0

BOATANCHORS Digest 1550

Topics covered in this issue include:

- 1) HEATHKIT SERVICE BULLETINS - HD-1410
by joelutz@juno.com (Joseph W Lutz)
- 2) Info needed
by Surplus Al <surplsal@tl.infi.net>
- 3) Re: Surplus Availability
by dfrancis@iex.net (Dexter Francis)
- 4) Re: More BA Acronyms
by Robert Lawson <lawson_r@popmail.firn.edu>
- 5) Re: What's a model BP radio equipment?
by William Donzelli <william@ans.net>
- 6)
by dfrancis@iex.net (Dexter Francis)
- 7) Re: Surplus Availability
by William Donzelli <william@ans.net>
- 8) Re: Surplus Availability
by John Shriver <jas@shiva.com>
- 9) Re: HEATHKIT SERVICE BULLETINS - DX-60
by Jeffrey Herman <jeffreyh@hawaii.edu>
- 10) Re: More BA Acronyms
by Bob Okas <vintage@best.com>
- 11) Re: What Matches What???
- by nielw@ix.netcom.com (Niel Wiegand)
- 12) Stupid Mail Crashes
by arc5@ix.netcom.com (David Stinson)
- 13) Robert Friess (RFRIESS)
by steven@ix.netcom.com (Steve M Fried)
- 14) Re: Marauder building project
by Bob/WB0AUQ <brainbol@lawrence.ks.us>
- 15) AGC Problem in the R-390A
by "Allan Fritsche" <fritsche@msn.com>
- 16) Want SP-600 Meter
by n5off@w5ddl.aara.org
- 17) Misc FS
by don merz <71333.144@CompuServe.COM>
- 18) R-388 alignment/endpoint spread
by w2ec@VNET.IBM.COM
- 19) Need a couple tubes
by mdenison@blazenet.net (Morton Denison)
- 20) Re: The History of Prefixes:
by Neal McEwen <nmcewen@metronet.com>
- 21) Collins Collectors Assn. Summer Meeting
by Mark Hovda <hovda@fyiowa.infi.net>
- 22) HEATHKIT SERVICE BULLETINS - HG/HM/HN/HO
by joelutz@juno.com (Joseph W Lutz)

Date: Wed, 9 Jul 1997 20:30:52 UTC
From: joelutz@juno.com (Joseph W Lutz)
To: HEATH@LISTSERV.TEMPE.GOV
Cc: boatanchors@theporch.com, BOATANCHORS@LISTSERV.TEMPE.GOV
Subject: HEATHKIT SERVICE BULLETINS - HD-1410
Message-ID: <19970709.203516.7126.3.JOELUTZ@juno.com>

APRIL 17, 1975

HD-1410 BULLETIN NO:
ELECTRONIC KEYS HD-1410-1

MODIFICATIONS FOR USE WITH TEN-TEC, TRITON AND
RIGS WITH SIMILAR KEYING REQUIREMENTS

IT HAS BEEN FOUND THAT THE TEN-TEC ARGONAUT AND TRITON KEYING CIRCUITS REQUIRE THAT THE KEY-LINE BE BROUGHT TO WITHIN A FEW TENTHS OF A VOLT OF GROUND TO OPERATE PROPERLY. EITHER OF THE FOLLOWING MODIFICATIONS TO THE HD-1410 WILL ALLOW IT TO BE USED WITH THE ABOVE UNITS.

A. IF THE HD-1410 IS TO BE USED EXCLUSIVELY WITH THE TEN-TEC OR RIGS WITH SIMILAR REQUIREMENTS, R27 AND D5 CAN BE REPLACED WITH JUMPER WIRES. THIS DISABLES Q7 AND ELIMINATES THE .7 VOLT DROP DUE TO D5.

B. IF THE HD-1410 IS TO BE USED BOTH WITH SUCH RIGS AND CATHODE OR GRID BLOCK KEYED RIGS, THE MODIFICATION SHOWN ON THE ATTACHED SCHEMATIC MAY BE MADE. THE JACK LABELLED "EXT. KEY" BECOMES A SECONDARY "KEYER-OUT" JACK FOR USE ONLY WITH RIGS EMPLOYING A POSITIVE KEY LINE, AND SOLID STATE KEYING CIRCUIT.

1. REFER TO PAGE 40 OF ASSEMBLY MANUAL AND REMOVE THE WIRE BETWEEN JACK L, LUG 1 [KEYOUT JACK] AND CIRCUIT BOARD HOLE F.

2. DISCONNECT THE REMAINING WIRE FROM JACK L, LUG 1 AND CONNECT TO CIRCUIT BOARD HOLE F.

3. MOUNT TERMINAL STRIP AND COMPONENTS AS SHOWN:

[[SHOWS TS 431-62 TO BE MOUNTED UNDER TOP SCREW OF JACK L AND BENT DOWN SLIGHTLY. CONNECT A 4700 OHM RESISTOR BETWEEN LUGS 1 AND 3 OF TS. CONNECT BASE OF PN 417-801 TO LUG 1 OF TS; EMITTER TO ONE LUG OF JACK L AND THE COLLECTOR TO THE OTHER JACK L LUG]].

4. CONNECT WIRE FROM LUG 3 OF TERMINAL STRIP TO JUNCTION OF R23 AND R26 ON CIRCUIT BOARD. SOLDER THIS WIRE TO LEAD OF R26.

KEYER KEYS CONTINUOUSLY OR ERRATICALLY

PROBLEMS WITH RF CAUSING THE KEYER TO KEY CONTINUOUSLY OR ERRATICALLY, PARTICULARLY WHEN USING LONG WIRE OR RANDOM LENGTH ANTENNA SYSTEMS, CAN BE ELIMINATED BY CONNECTING A .001 UF DISC CERAMIC ACROSS THE KEYER OUTPUT JACK.

INTERMITTENT SIDETONE

IN SOME UNITS, IF THE "TONE" CONTROL IS FULLY CLOCKWISE [LOW FREQUENCY END], THE SIDETONE WILL BE INTERMITTENT. TURNING THE POT SLIGHTLY COUNTERCLOCKWISE WILL ELIMINATE THE CONDITION.

MAY 20, 1975

HD-1410
KEYER

BULLETIN NO:
HD-1410-2

SERVICE GUIDE

THE FOLLOWING IS A STEP BY STEP PROCEDURE FOR SERVICE THE HD-1410 KEYER:

EQUIPMENT NEEDED:

1 VTVM [NOT A VOM OR DVM]

SET CONTROLS ON HD-1410 AS FOLLOWS:

AC SWITCH - ON
SPEED - FULL CCW
VOLUME - 1/4 CW

SET VTVM AS FOLLOWS:

TO READ DC + VOLTAGES

C A U T I O N

WHEN MAKING VOLTAGE CHECKS IN THE UNIT, BE VERY CAREFUL WHERE THE PROBE IS TOUCHED AS 110VAC VOLTAGE IS PRESENT ALSO.

1. THE FIRST TEST IS TO CHECK THE DC VOLTAGES FOR THE POWER SUPPLY AND PASS TRANSISTOR Q8. IF ANY DEFICIENCIES ARE FOUND IN THIS AREA, THEY MUST BE CORRECTED BEFORE PROCEEDING ON.

2. THE MOST IMPORTANT SECTION IN THE KEYER IS THE DOT GENERATOR AND DASH DIVIDER, THIS WILL BE CHECKED AS FOLLOWS:

WITH THE KEYER SHUT OFF, CONNECT A JUMPER WIRE FROM PIN 8 OF IC1D TO GROUND. WITH THE KEYER SET UP IN THIS MANNER, BOTH THE DOT GENERATOR AND DASH DIVIDER CAN BE CHECKED AT THE SAME TIME WITHOUT PUSHING THE PADDLES. TURN THE KEYER ON. CONNECT THE GROUND LEAD OF THE VTVM TO THE CHASSIS OF THE KEYER.

A. SET THE VTVM TO A 1.5VDC RANGE AND TOUCH THE PROBE TO PIN 10 OF IC2D. THE METER SHOULD READ ABOUT .16 AND THE NEEDLE SHOULD BE OSCILLATING SLIGHTLY. IF THESE RESULTS ARE NOT OBTAINED, CHECK Q1, Q2, C3, D1 AND SPEED CONTROL.

B. SET THE VTVM READ +5VDC RANGE AND TOUCH METER PROBE TO PIN 5 OF IC4A. READING SHOULD BE .16VDC WITH NEEDLE OSCILLATING SLIGHTLY. CHECK D3 AND R12, IF PROPER RESULTS ARE NOT OBTAINED.

C. TOUCH METER PROBE TO PIN 8 OF IC4A. METER NEEDLE SHOULD OSCILLATE RAPIDLY BETWEEN 1.5 AND 2.5VDC. IF PROPER RESULTS ARE NOT OBTAINED, FIRST CHECK PIN 2 OF IC4A. METER NEEDLE SHOULD OSCILLATE BETWEEN 3.6 TO 4VDC AT HALF THE RATE OF PIN 8, REPLACE IC-4 IF NECESSARY.

D. TOUCH METER PROBE TO PIN 13 OF IC4B. METER NEEDLE SHOULD OSCILLATE BETWEEN .5 AND 3.5VDC AT 1/2 THE RATE OF TEST C ABOVE. IF PROPER RESULTS ARE NOT OBTAINED, CHECK PINS 14 AND 3 OF IC-4 FOR 5VDC. REPLACE IC-4, IF NECESSARY.

E. TOUCH THE METER PROBE TO PIN 13 OF IC3C. METER NEEDLE SHOULD OSCILLATE FROM 1.6 TO 3.4VDC. IF PROPER RESULTS ARE NOT OBTAINED, CHECK PIN 13 OF IC3C FOR 5VDC. REPLACE IC3C, IF NECESSARY.

3. OUTPUT CIRCUITRY: SINCE THE JUMPER IS ALREADY INSTALLED IN THE BIT GENERATOR AND DASHES ARE BEING PRODUCED, WE'LL USE THIS SAME APPROACH FOR CHECKING THE OUTPUT CIRCUITRY.

A. TOUCH THE METER PROBE TO THE [C] OF Q4. METER NEEDLE SHOULD SWING BETWEEN .2VDC AND 2.8VDC. IF PROPER RESULTS ARE NOT OBTAINED, CHECK RESISTOR R24. REPLACE Q4.

B. TOUCH THE METER PROBE TO THE [C] OF Q5. METER NEEDLE SHOULD OSCILLATE BETWEEN .3VDC AND .8VDC. IF PROPER RESULTS ARE NOT OBTAINED, CHECK R25. REPLACE Q5.

C. TOUCH METER PROBE TO POINT [J] OR KEYER OUTPUT JACK. METER NEEDLE SHOULD OSCILLATE FROM .3VDC TO .8VDC. IF PROPER RESULTS ARE NOT OBTAINED, CHECK OR REPLACE D4.

D. REPEAT THE SAME PROCEDURE FOR Q6, Q7 AND D5.

4. TONE OSCILLATOR CIRCUIT. JUMPER WILL STILL BE CONNECTED TO PIN 8 OF IC1D.

A. TOUCH METER PROBE TO PIN 4 OF IC5D. NEEDLE SHOULD OSCILLATE BETWEEN .6 AND 1.4VDC. IF PROPER RESULTS ARE NOT OBTAINED, CHECK C5, C6, TONE CONTROL. REPLACE IC-5.

B. TOUCH METER PROBE TO [C] OF Q3. METER NEEDLE SHOULD OSCILLATE BETWEEN 4.3 AND 4.7VDC. IF PROPER RESULTS ARE NOT OBTAINED, CHECK C7, R21. REPLACE Q3.

5. PADDEL CONTROL AND MEMORY LOGIC: SHUT OFF THE KEYER AND UNSOLDER THE JUMPER WIRE FROM PIN 8 OF IC1D.

A. TURN THE KEYER ON AND WITH THE VTVM CHECK THE LOGIC LEVELS FOR IC-1, IC-2 AND IC-3 AS SHOWN ON THE SCHEMATIC. WITH BOTH PADDLES RELEASED THE LOGIC LEVELS WILL BE REVERSED.

B. MEMORY BIT PROBLEMS CAN ONLY BE IN IC-5, R3, R4, C1 AND C2.

MAY 20, 1975

HD-1410
KEYER

BULLETIN NO:
HD-1410-3

KEYER KEYS CONTINUOUSLY OR ERRATICALLY

IN THE NEXT RUN, A .005MFD [5000PF, PN 21-57] WILL BE ADDED ACROSS THE KEYER OUTPUT JACK.

THIS SUPERSEDES THE INFORMATION IN BULLETIN NO: HD-1410-1

MARCH

26, 1976

HD-1410
KEYER

BULLETIN NO:
HD-1410-4

NO DOTS OR DASHES

IF THE UNIT HAS NO DOTS OR DASHES OUTPUT, BUT HAS A TONE IN THE "HOLD" MODE, CHECK THE INSTALLATION OF Q2. THE CUSTOMER APPARENTLY TRIES TO TWIST THE TRANSISTOR SO THAT THE FLAT OF THE TRANSISTOR WILL ALIGN WITH THE FLAT SCREENED ON THE BOARD. THIS WILL CAUSE THE BASE & COLLECTOR LEADS TO SHORT.

THE MANUAL IS BEING CHANGED TO CLARIFY THE INSTALLATION OF THIS TRNASISTOR.

JUNE 24, 1976

HD-1410
KEYER

BULLETIN NO:
HD-1410-5

RFI

RFI IN THE KEYER COMING THROUGH THE POWER SUPPLY CAN BE ELIMINATED BY
INSTALLING TWO .005UFD/1.6KV CAPACITORS [PN 21-44] ACROSS THE AC LINE TO
GROUND.

JULY 9, 1976

HD-1410
KEYER

BULLETIN NO:
HD-1410-6

WRONG TYPE OF ROUND KNOB

SOME KITS WERE SHIPPED WITH ORUND KNOBS THAT WILL NOT ACCEPT THE KNOB
BUSHING.

JULY 24, 1978

HD-1410
KEYER

BULLETIN NO:
HD-1410-8

NO DASHES; TONE AND DOTS OKAY

CHECK FOR A POSSIBLE FOIL BRIDGE BETWEEN PINS 8 AND 9 OR BETWEEN PIN 8
AND GROUND OF THE DASHER SET CIRCUIT, IC2 [PN 443-1]. THE BRIDGE IS
USUALLY TOO SMALL TO SEE WITHOUT A MAGNIFIER. THE BRIDGE USUALLY CAN BE
REMOVED BY SCRAPING THE AREA AROUND PINS 8 AND 9 WITH A KNIFE OR OTHER
SIMILAR OBJECT.

THIS COMPLETES INFO ON HD-1410 KEYER. AS CAN BE SEEN, BN HD-1410-7 WAS
ISSUED IN 1977 [FICHE WHICH I AM TRYING TO GET].

73 de JOE

- - - - -W7LPF/4 (NNNOKUU)- - - - -
QWCA - NCVA - SOWP - FISTS
Gordonsville, Va 22942 (Orange County)
Looking for: Heathkit HR/HX-20, MR/MT-1,
Collins 516F-2, 312B-4, EFJ TR Switch

Date: Wed, 09 Jul 1997 15:51:27 -0400
From: Surplus Al <surplsal@tl.infi.net>
To: boatanchors@theporch.com
Subject: Info needed
Message-ID: <33C3EBBF.2B50@tl.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have the Email or Phone no. of Phoenix Crystals. Tnx
Al W3UGD

Date: Wed, 9 Jul 1997 15:25:31 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Subject: Re: Surplus Availability
Message-ID: <v01520d00afe95d77cfcc@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just recieved a note from the Defense Logistics Agency, announcing that the DRMO is making a "significant change" to the way it sells DoD Surplus. The new method will be to offer it on a "proceeds sharing basis" and provide the winning contractor "exclusive rights to a sizeable portion of our surplus property. Ideally the contractor will increase the value of the material...the government anticipates...benefit...thru higher profits and increased net sales proceeds to the U.S. Treasury."

Reading between the lines here, I conclude that the DRMO has discovered that there is lots more money to be made on surplus sales and they want a bigger cut of the pie. The hook is to offer the bidders a chance at larger quantities, with the caveat that the DRMO will get a cut on the action later as the items are sold off at a bigger profit than on the original sale.

That didn't take long to figure out, did it?

(All together now; "Them that's got shall get. Them that's not shall loose...")

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *

*

e-mail to: tubes@usa.net

*

Date: Wed, 09 Jul 1997 16:26:46 -0400
From: Robert Lawson <lawson_r@popmail.firn.edu>
To: boatanchors@sco.theporch.com
Subject: Re: More BA Acronyms
Message-ID: <33C3F406.AA7@popmail.firn.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Fellow BA'er,

After coming up with that first list of BA acronyms last evening while listening to the static on 40 meters, I spied all my other BA gear out here in my two car 'office/shack' in that late night solitude and came up with a few more. I now can place a whole listing just using three letter groups. Sure saves the keyboard wear and tear. Here goes

(again).

Note: not in alpha order as I have trouble past the c's.

SBN=some bondo needed	AAH=abandoned at hamfest
HTL=heavier than lead	RBB=real back breaker
POU=previous owner unlicensed	SCL=some caps leaked
CLS=chirps like sparrow	PFF=pulled from fire
SPM=some parts missing	NAN=no antenna needed
SHR=some harmonics reported	CCD=crystal calibrator drifts
BBP=bought by pound	SBP=selling by pound
NNR=no new rust	RNB=recived no bids
SMD=sheet metal dream	RCN=real classic nightmare
SKT=some knobs turn	BSS=been sittin on shelf
PKS=pre kit state	UFP=un finished project
HWR=half way repaired	SPL=some paint left
CGA=can't give away	CBR=can't be rated
APO=am parting out	CTT=close to '10'
CIP=comes in pieces	SEH=some extra holes
TSF=tuning slugs frozen	KBF=keeps blowing fuses
DCB=dial cord broken	SOF=self oscillating final
NNT=never needed tuning	HEU=hardly ever used
NBM=never been modified	SSS=sometimes spits sparks
THT=three handed tuning	ARS=antenna relay sticks
RWS=rattles when shaken	ABS=all bands simultaneously
WTO=won't turn on	WTO=won't turn off
WWS=will work sometimes	JBS=junk box special

SNR=serial numbers removed	SMO=shocked me once
SMA=shocked me alot	BCP=backup cordless phone
SUI=some unwanted images	LGD=looks good at diatance
KDC=key down corona	BGO=backup garage door opener
MCW=minimum cabinet warp	WSB=won't stay in band
WKI=wheel kit included	VDA=variable dial accuracy

Well, that's about it for my list. Hope I didn't bore too many of you, but I believe both list could really be used to increase the accuracy in describing out cheerished boat anchors. After all, very few folks see them as we. :-)

Rob WPE4FGR W4RL

Date: Wed, 9 Jul 1997 17:37:37 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: What's a model BP radio equipment?
Message-ID: <199707092137.AA05117@interlock.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> It's is a "type CFN 52ADF transmitter RF oscillator" module made for Navy
> Dept-Bureau of Ships, by Farnsworth Television and Radio Corp. Contract
> number is NXsr 51585.
>
> The module apparently plugs into the "BP" equipment. It contains two tubes
> which are well clamped in and I can't read the numbers very well..but it
> looks like type JAN-CIM-16E tubes. Haven't found those in any references
> either (including Tube Lore).
>
> Anyone have a clue what this BP equipment is? Any comments appreciated.

The BP is a bit of IFF (Identification Freind, Foe) gear from World War Two. The module you have is the transmitter portion, its sole duty is to generate a high power pulse at a standard frequency. The whole unit is called an interrogator, in that it interrogates unknown ships and planes, then listens for correct replies.

The BP is interesting because it used to be a BN. At some point in the war (my guess in late 1943), the Navy figured it needed more Mk IV IFF interrogators (BG was the only one built in quantity, others (earlier types) were built in tiny numbers). A pile of BNs, the workhorse Mk III unit found everywhere, was hacked into new BPs. The conversion involved moving the operating frequency from the around 170 MHz (plus/minus quite

a bit - Mk III was a bit sloppy) to nearly 500 MHz. Part of the conversion involved new nametags.

By the way, the tubes are mostly likely 15Es - standards in many types of IFF transmitters.

William Donzelli
william@ans.net

Date: Wed, 9 Jul 1997 15:51:52 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
To: boatanchors@theporch.com
Message-ID: <v01520d00afe9647373da@[207.0.57.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just recieved a note from the Defense Logistics Agency, announcing that the DRMO is making a "significant change" to the way it sells DoD Surplus". The new method will be to offer it on a "proceeds sharing basis" and provide the winning contractor "exclusive rights to a sizeable portion of our surplus property". "Ideally the contractor will increase the value of the material...the government anticipates...benefit...thru higher profits and increased net sales proceeds to the U.S. Treasury."

Reading between the lines here, I conclude that the DRMO has discovered that there is lots more money to be made on surplus sales and they want a bigger cut of the pie. The hook is to offer the bidders a chance at larger quantities, with the caveat that the DRMO will get a cut on the action later as the items are sold off at a bigger profit than on the original auction.

I notice that sales of some items; medical and dental supplies for example, have already been awarded to a few lucky contractors covering large (multi state) areas. I can see it now, Fair Radio gets awarded an exclusive contract for all DRMO electronic surplus sales in the eastern U.S.

Lock up your sons and daughters.

-df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
* e-mail to: tubes@usa.net *

Date: Wed, 9 Jul 1997 18:00:37 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Surplus Availability
Message-ID: <199707092200.AA06348@interlock.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I just recieved a note from the Defense Logistics Agency, announcing that
> the DRMO is making a "significant change" to the way it sells DoD Surplus.
> The new method will be to offer it on a "proceeds sharing basis" and
> provide the winning contractor "exclusive rights to a sizeable portion of
> our surplus property. Ideally the contractor will increase the value of
> the material...the government anticipates...benefit...thru higher profits
> and increased net sales proceeds to the U.S. Treasury."

It seems to me that this means that the winning contractor will get the cream, and all others will get the curd. It does not sound like a winning change.

William Donzelli
william@ans.net

Date: Wed, 9 Jul 1997 18:12:02 -0400 (EDT)
From: John Shriver <jas@shiva.com>
To: boatanchors@theporch.com
Subject: Re: Surplus Availability
Message-ID: <199707092212.SAA22980@shiva-dev.shiva.com>

Another way to look at it may be that the winning contractor will get all the cream and the crud, and will sell the cream and scrap the crud.

Unfortunately, what the average boatanchorist considers cream, the winning contractor may consider crud. They may be a scrap metals dealer, and consider the radios a "contaminant."

Date: Wed, 9 Jul 1997 12:26:28 -1000
From: Jeffrey Herman <jeffreyh@hawaii.edu>
To: Joseph W Lutz <joelutz@juno.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HEATHKIT SERVICE BULLETINS - DX-60

Message-ID: <Pine.GS0.3.95q.970709122453.12907C-100000@uhunix3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Interesting that there was only one bulletin issued for the DX-60B
(and it was only for capacitor markings). I take that to imply
it was a well-designed rig.
73,
Jeff KH2PZ / KH6

Date: Wed, 9 Jul 1997 15:35:58 -0700 (PDT)
From: Bob Okas <vintage@best.com>
To: Robert Lawson <lawson_r@popmail.firn.edu>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: More BA Acronyms
Message-ID: <Pine.SGI.3.95.970709153512.23902A-100000@shellx.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rob,
Cut it OUT!! My sides are splitting and it's embarrassing at work!!

Bob - W3CD

Date: Wed, 9 Jul 1997 17:40:42 -0500 (CDT)
From: nielw@ix.netcom.com (Niel Wiegand)
To: w5vj@swbell.net
Cc: boatanchors@theporch.com
Subject: Re: What Matches What???
Message-ID: <199707092240.RAA16500@dfw-ix15.ix.netcom.com>

Dan,

This may be a NC240D speaker. For a positive id
go to my web page at <http://www.io.com/~nielw/index.com>. Take a look at
the page listing the '240D in the 50th Anniversary Album.

You wrote:

>

>Just acquired a National speaker in a trade. Anybody know what this
>was meant to match?

>
>Thanks
>Dan
>W5VJ

Date: Wed, 9 Jul 1997 17:52:46 -0500 (CDT)
From: arc5@ix.netcom.com (David Stinson)
To: boatanchors@sco.theporch.com
Subject: Stupid Mail Crashes
Message-ID: <199707092252.RAA20710@dfw-ix1.ix.netcom.com>

Netcom is trashing mail again.

If you've sent me any email in the past week, please
resend if you haven't heard from me already.

Thanks.
Dave AB5S
arc5@ix.netcom.com

Date: Wed, 9 Jul 1997 18:28:11 -0500 (CDT)
From: steven@ix.netcom.com (Steve M Fried)
To: boatanchors@sco.theporch.com
Subject: Robert Friess (RFRIESS)
Message-ID: <199707092328.SAA06257@dfw-ix5.ix.netcom.com>

HI

Did it again. Im having a hair netcom e mail day.

Please send me your email address again.

Steve K2PTS

(and thanks to all for your kind patience)

Date: Wed, 09 Jul 1997 18:55:06 -0500
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Marauder building project

Message-ID: <33C424DA.402C@lawrence.ks.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You guys are certainly dedicated to travel to Nick's QTH in order to put together his 'new' Marauder kit. If there are several kits needing assembly you might consider shipping them to some of us around the country so we could labor over a hot soldering iron to help out. Probably just re-use the original packing to ship out and they could be returned with address label duct-taped to the top cover. I got plenty of solder left over from installing galvanized guttering on the house.

73, Bob/WB0AUQ/brainbol@lawrence.ks.us

Date: Thu, 10 Jul 97 00:11:42 UT
From: "Allan Fritsche" <fritsche@msn.com>
To: boatanchors@theporch.com
Subject: AGC Problem in the R-390A
Message-ID: <UPMAIL03.199707100013280490@msn.com>

Well Gang, Didn't have much time this morning to investigate the AGC problem in this medium boat.
Symptoms where , solid signal on slow agc, (I mean really loud),
Turn to Med or Fast and signal dropped about 10 DB.

Well, looking at the schematic, saw C-551 (2MFD oil Filled?) as a suspect.
Sure enough, after removing all wiring, it had a internal resistance of about 60 K ohms.

So , with what I had in the junk box, soldered in a Aerovox 2 MFD and a .1 cap Bypass.
System came up Grand, now have levels across the board.
Still the signal in Slow AGC gives me a better thru put, but, I think I fixed the real problem.

Now, questions... C-551 is a substantial member of the IF deck, Is it oil filled, electro, or just a plain old cap, Sure is huge.

Thanks Al
fritsche@msn.com

Date: Thu, 10 Jul 1997 00:23:01 UTC
From: n5off@w5ddl.aara.org
To: boatanchors@theporch.com
Subject: Want SP-600 Meter
Message-ID: <44735@w5ddl.aara.org>

Looking for a meter for a SP-600.

Please reply here, or call 318-989-3430.

Thanks
Tom N50FF

Date: 09 Jul 97 20:45:12 EDT
From: don merz <71333.144@CompuServe.COM>
To: <boatanchors@theporch.com>
Subject: Misc FS
Message-ID: <970710004511_71333.144_DHB52-3@CompuServe.COM>

Miscellaneous For Sale and Wanted

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com Trades and offers welcome!

National ODD "O Dial Drive." New in sealed packaging. \$6 each. 2 to sell.
Heathkit Stereo Preamplifier. This thing has no model number on it anywhere.
It uses PC-board construction with 6 Mullard 12AU7's doing the work (3
in each channel). The preamp is in a handsome black leatherette cabinet
with a black and gold front panel and concentric black knobs for the
controls. Untested. Complete. All original. As-is. \$19
General Radio Unit IF Amplifier Type 1216-A. Smallish tube type test gear
apparently used as a 500kc broadband amp at 30mc in a microwave
receive converter setup. Needs some cleanup but looks good. Untested.
As-is. \$12 each. 2 to sell.

Literature

Rider, Obtaining and Interpreting Test Scope Traces, 1978 reprint,
excellent paperback. \$9
Orr, Beam Antenna Handbook, 4th ed., 1971. Cover edges fraying. \$6
Nisbett, Alec, The Technique of the Sound Studio, 3rd ed., 1974.
Very good paperback. \$8
1974 ARRL Handbook. Creases in cover, some wear. \$6
1991 ARRL Handbook. Excellent hardback. \$11
ARRL Antenna Book, 14th ed., 1984. Cover rough. \$4

Bassett, rex, The Bassett Handbook of Rotary Beam Design, 1st ed., 1939.
Excellent paperback. Includes Bassett radio parts & equipment catalog in
back. \$9
Heathkit 1955 catalog. Looks like it came in the mail yesterday. \$25
Heathkit FM-3A FM Tuner original manual. Cover loose and frayed. Includes
all original oversize assembly drawings. \$9
Heathkit RP-1 Record Player original manual. Dated 1953. Cover splitting
at binding edge. \$11
Heathkit AA-15 Stereo Amplifier original manual. Cover taped. \$11
H. H. Scot LT-110-B FM Tuner original assembly manual. Color assembly
diagrams. Includes fold-outs. \$11

Magazines

CQ: \$2 each or 10 for \$15
1947: 1,3,4,5,6,7,8,9,10,11
1950: 8,10,11
1951: 7,8,9,10,11,12
1952: 7,8,9,10,11,12
1953: 1,2,3,4,6,7,9,10,11,12
1954: 8
1955: 7,10,11,12(2 copies)

CQ: 75 cents each or 10 for \$6
1948: 5: Free (poor condition)
1949: 2: Free (poor)
1949: 9: \$.75, 10: Free (poor condition)
1956: 2,3,4,5,6,7,8,9,10,11
1956: 2,3,4,5,6,7,8,11
1956: 2,3,4,5,6,7,8
1956: 2,3,4,6
1956: 2,3
1957: 12 (2 copies)
1958: 6,7,12: \$.75, 11: Free (poor condition)
1959: 3,10,11
1960: 3
1963: 11: Free (poor condition)
1963: 11
1966: 10,11,12
1969: 10: Free (poor condition)
1969: 6,7,8,9,10,11,12
1971: 5,11
1972: 4,10,11,12
1973: 1,2,3,6,8,9
1975: 1

73: \$2 each or 10 for \$15
1962: 8,11,12

1963: 2,4,5,6,8,9,10,11
1963: 3 (cover loose-famous receiver buying guide issue)
1964: 1,3,4,5,6,7,8,9,10,11,12
1964: 4,9,11(2 copies),12
1965: 1,2,3,4,5,6,7,8(2 copies),9,10,12

73: 75 cents each or 10 for \$6
1962: 6 and 9: Free (cover loose or torn)
1963: 1: Free (no cover)
1965: 8
1966: 8,10
1967: 4
1968: 6,11,12
1969: 8
1970: 6,7
1972: 5,8,9
1974: 3: Free (cover loose)
1975: 7,8

Ham Radio: \$1 each
1969: 4
1969: 4,5,6: Free (poor condition)
1970: 2,3,7,9,10(2 copies)
1971: 4(3 copies), 5,6,7
1972: 1(2 copies), 12
1973: 1(2 copies), 12
1975: 1,2,3,4,5,6,7,8,9,12

QST: \$1 each
1960: 3(2 copies),10,11,12
1961: 3,5,6,7,8,10
1962: 8
1966: 1,2,4,6,7,11
1967: 11
1968: 1
1969: 9

WANTED

Manual copies or schematic, etc on Heathkit UT-1 power supply, Comanche
and Cheyenne transceivers
Manual copy for Hallicrafters SR-34 transceiver
Manual copy for WRL Globe 6-2 VFO

Date: Wed, 9 Jul 97 21:01:25 EDT
From: w2ec@VNET.IBM.COM
To: boatanchors@sco.theporch.com
Subject: R-388 alignment/endpoint spread
Message-ID: <199707100101.BAA13476@sco.theporch.com>

Just received my first R-388. Haven't got the manual yet, that's coming in a seperate package. Seems to be working fine except the endpoint spread is way out, about 15kc. Can anyone give me a quick tutorial on adjusting the endpoint spread, and maybe an idea of what the alignment procedure is on this radio? Too impatient to wait for the manual to arrive.

73, Ray W2EC w2ec@vnet.ibm.com

Date: Wed, 09 Jul 1997 21:26:08 -0400
From: mdenison@blazenet.net (Morton Denison)
To: Multiple recipients of list <boatanchors@sco.theporch.com>
Subject: Need a couple tubes
Message-ID: <33C43A30.47558940@blazenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have one or two of the following for a Pyramid Capacitor analyzer - let me know price and shipping estimates if you can:

6L6GA
6E5
6SN7GT

Thanks,

Mort Denison

Date: Wed, 9 Jul 1997 20:51:30 -0500 (CDT)
From: Neal McEwen <nmcewen@metronet.com>
To: boatanchors@sco.theporch.com
Subject: Re: The History of Prefixes:
Message-ID: <199707100151.AA17730@metronet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

> On another bit of radio trivia, a short "Strays" in one of my 20s
> vintage QSTs revealed the origin of the now-discarded amateur SOS
> signal of QRRR. It started as QRR with the RR standing for railroad.

For more information of the history of distress signals, see my web
page <http://www.metronet.com/~nmcewen/arc2-2.html>
Covered are SOS, CQD and others

--

73 de K5RW, Neal McEwen, Dallas, nmcewen@metronet.com
"The Telegraph Office" WWW page for Wire and Wireless Key Collectors
http://fohnix.metronet.com/~nmcewen/tel_off.html

Date: Thu, 10 Jul 1997 02:59:06 -0700
From: Mark Hovda <hovda@fyiowa.infi.net>
To: boatanchors@theporch.com
Subject: Collins Collectors Assn. Summer Meeting
Message-ID: <33C4B26A.7073@fyiowa.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Collins Collectors Association
Annual Visit to Cedar Rapids, Iowa
August 1 - 3, 1997

The Collins Amateur Radio Club is pleased to once again host the
Collins Collectors Association meeting in Cedar Rapids, Iowa.

Membership in the Collins Collectors Association is NOT REQUIRED to
attend this event.

The gathering will be held at the Sheraton Four Points Hotel, 525
33rd Ave. SW, Cedar Rapids, Iowa 52404. Their phone number is
319-366-8671. Please note that this is a change in date and hotel
from previous years. The change was made to follow the local
hamfest sponsored by the Cedar Valley ARC held on August 3rd.

A block of 15 rooms for the CCA meeting will be held until July
17th - so make your reservations ASAP. Be sure to identify that you are
with the Collins Collectors Association in order to get the special rate
of \$57.00 for a single bed (queen size) room. If we run out of rooms,
there are several other reasonably priced hotels (Exel Inn, Red
Roof Inn, Hampton Inn, etc.) within walking distance of the Sheraton.

The Sheraton is located on the south side of Cedar Rapids, one block west of the I-380 exit #17 (33rd Ave).

Registration fee for the meeting is \$5.00. The Saturday evening buffet is \$20.00 per person.

ACTIVITIES PLANNED

Friday Evening:

- Informal socializing at the hotel pool/patio area. Bring your pictures, documents, literature, etc.
- Collins buy/sell/trade

Saturday Morning - 8:00 AM:

- Escorted visit to the Collins Antenna farm, Comm Central, and Museum.
- Escorted visits to both of the Collins Amateur Radio Club stations to operate W0CXX on the air!

Saturday Afternoon:

- We will have programs in the Venenzia Room at the Sheraton
- The S-Line Family Portrait - We are attempting to display every model of S-Line gear in one place for a historic photograph
- Films from the Collins Radio archives
- Judging of rare or restored Collins Amateur Equipment; prizes awarded for the following categories:
 1. Heaviest piece of Collins Amateur Gear
 2. "Peoples Choice Award" for the rarest piece of Collins Amateur Gear
 3. Best Condition/Quality - St. James Gray Equipment Class
 4. Best Condition/Quality - S-Line/380 Equipment Class

Saturday Evening:

- Social hour at 6 PM, dinner at 7 PM in the Tivoli Gardens Room; After dinner speaker: Ben Stearns, "An Anecdotal History of Arthur Collins and Amateur Radio"

Sunday is the Cedar Valley ARC Hamfest at the Amana Colonies, about a 1/2 hr. drive southwest of the Sheraton. The indoor flea market tables are \$11.00 each. Outdoor flea market spaces are free with admission ticket (at door only). Contact Wayne Hughes at 319-436-2350. The set-up times are Sat. 6-9 PM & Sun. 6-8AM. Open to the public: Sun. 8:00 AM - 4:00 PM. Directions will be provided. There are many shops and attractions to visit at the nearby Amana Colonies and Tanger Outlet Mall for the wives to enjoy.

If you have any questions, please feel free to send me an e-mail at

hovda@fyiowa.infi.net

TO REGISTER PRINT THE FOLLOWING FORM AND MAIL TO ADDRESS
SHOWN BELOW

REGISTRATION SHOULD BE MAILED BY JULY 26TH

YES! I will be attending the Collins Collectors Association
Meeting in Cedar Rapids, Iowa.

NAME _____ CALL _____

ADDRESS

PHONE _____ e-mail _____

REGISTRATION

FEE..... \$ 5.00

BUFFET DINNER (SAT.) _____(qty) @ \$20.00 ea. = \$ _____

TOTAL: \$ _____

Make Checks payable to: Collins Collectors Association

Mail Check and this form to: Mark Hovda, NOJWI, P.O. Box 10091,
Cedar Rapids, Iowa 52410 before July 26, 1997.

Date: Thu, 10 Jul 1997 01:29:28 UTC
From: joelutz@juno.com (Joseph W Lutz)
To: HEATH@LISTSERV.TEMPE.GOV
Cc: boatanchors@theporch.com, BOATANCHORS@LISTSERV.TEMPE.GOV
Subject: HEATHKIT SERVICE BULLETINS - HG/HM/HN/HO
Message-ID: <19970710.021009.2998.0.JOELUTZ@juno.com>

FEBRUARY 7, 1973

HG-10B

BULLETIN NO:

VFO

HG-10B-1

HUM ON 40 METERS

REPLACE RFC-1, 28UH [PN 45-18] WITH A 350 UH CHOKE COIL, [PN 45-82].
THIS CHANGE WILL BE PUT INTO PRODUCTION SOON.

AUGUST 14, 1973

HM-102

BULLETIN NO:

WATT METER/SWR BRIDGE

HM-102-1

POSSIBLE SHORTS DUE TO MOUNTING HARDWARE

THE CIRCUIT BOARD MOUNTING BOLT NEAR R1-[100K] IS EXTREMELY CLOSE TO THE ADJACENT FOIL. THERE IS A VERY GOOD POSSIBILITY THIS FOIL COULD BE ACCIDENTLY GROUNDED.

BY ELIMINATING THE LOCKWASHER AND SUBSTITUTING THE 6-32X1/4" FLAT HEAD BOLT WITH A 6-32 X 1/4" ROUND HEAD BOLT, [PN 250-31], THE PROBLEM IS ELIMINATED.

DECEMBER 23, 1974

HM-102

BULLETIN NO:

WATT METER/SWR BRIDGE

HM-102-2

SERVICE NOTES

PROBLEMS ORIGINATE BECAUSE A 50 OHM LOAD IS NOT USED FOR CALIBRATION; EVEN THOUGH THE KIT MANUAL SAYS TO USE A 50 OHM LOAD, CUSTOMERS USE ANTENNAS AND EVEN LIGHT BULBS. A CLUE THAT THIS IS WHAT IS BEING DONE WRONG IS AN INABILITY TO NULL DURING SWR ADJUSTMENTS. ANOTHER CLUE IS ABNORMALLY HIGH POWER OUTPUT READINGS.

IF A CUSTOMER CANNOT NULL DURING SWR ADJUSTMENT, AND HE IS USING THE PROPER LOAD, SUGGEST REPLACING THE TOROID COIL AND D-1 THROUGH D-3 WHICH SEEMS TO BE THE MAGIC CURE-ALL FOR 90% OF ALL THE PROBLEMS ENCOUNTERED WITH THIS UNIT.

C-4 HAS BEEN SOME PROBLEM, BUT THIS CAPACITOR HAS BEEN CHANGED TO A HUSKY ONE [PN 31-57]. THE WATT METER PORTION OF THE UNIT WILL NOT ADJUST PROPERLY UNTIL THE SWR BALANCE HAS BEEN DONE PROPERLY AND A GOOD NULL IS OBTAINED. THE INDICATION HERE IS R-6 NOT ADJUSTING PROPERLY. GAIN, THE TOROID COIL AND D-1 THROUGH D-3 IS SUSPECT.

SOME CUSTOMERS WILL ASK ABOUT USE OF 75 OHM LINES. SWR WILL BE HIGHER, BUT COLLAR READINGS WILL BE WITHIN SPECS. IT CAN BE RECALIBRATED AND

USED WITH A REASONABLE DEGREE OF ACCURACY.

A COMMON COMPLAINT IS THE HIGH AND LOW POWER READINGS NOT AGREEING.
EXPLAIN TO THE CUSTOMER THE SPECIFICATIONS ON THE METER ACCURACY WHICH IS
PLUS OR MINUS 10% OF FULL SCALE.

DECEMBER 23, 1974

HN-31 BULLETIN NO:
DUMMY LOAD HN-31-1

SERVICE NOTES

OVER THE LAST TWO OR THREE YEARS, WE HAVE HAD PROBLEMS WITH RESISTORS IN
THE HN-31 DUMMY LOAD. THEY ARE NOT SEALED PROPERLY, BECOMING SOAKED IN
OIL AND INCREASING IN VALUE. EVEN THOUGH THE CUSTOMER IS USING THE
PROPLER LOAD, YOU WILL HAVE CALIBRATION PROBLEMS DUE TO THE CHANGE IN
RESISTANCE.

ALL STORES SHOULD CHECK THEIR HN-31 DUMMY LOADS FROM TIME TO TIME, FOR
PROPER VALUE.

JANUARY 13, 1975

HO-10 BULLETIN NO:
MONITOR SCOPE HO-10-1

"HOT"

CHASSIS

SOME TRANSFORMERS [PN 54-130] HAVE BEEN FOUND TO BREAK DOWN AFTER ABOUT
FIVE HOURS OF USE. THE PRIMARY SHORTS TO THE HIGH VOLTAGE SECONDARY,
RAISING THE CHASSIS APPROXIMATELY 1000 V ABOVE THE LINE VOLTAGE.

IF A NEW POWER TRANSFORMER HAS BEEN INSTALLED, BE SURE TO LET THE UNIT
OPERATE FOR A WHILE BEFORE RETURNING IT TO THE CUSTOMER.

THE VENDOR HAS BEEN NOTIFIED, AND CORRECTIONS WILL BE MADE IN REPLACEMENT
STOCK.

73 de JOE

- - - - -W7LPF/4 (NNNOKUU)- - - - -

QWCA - NCVA - SOWP - FISTS

Gordonsville, Va 22942 (Orange County)

Looking for: Heathkit HR/HX-20, MR/MT-1,

Collins 516F-2, 312B-4, EFJ TR Switch

- - - - -

End of BOATANCHORS Digest 1550
